

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

Status of Claims:

No claims are currently being cancelled.

Claims 1, 3, 5 and 11 are currently being amended.

Claims 12-14 are currently being added.

This amendment and reply adds and amends claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After adding and amending the claims as set forth above, claims 1-14 are now pending in this application.

Claim Rejections – Prior Art:

In the Office Action, claims 1, 3, 5 and 7 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent Publication No. 2004/0221127 to Ang in view of U.S. Patent Publication No. 2003/0177335 to Luick; and claims 2, 4, 6 and 8-11 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Ang in view of Luick and further in view of U.S. Patent No. 5,497,480 to Hayes. These rejections are traversed with respect to the presently pending claims under rejection, for at least the reasons given below.

Presently pending independent claim 1 now recites, among other things:

wherein the communication command further includes a destination computer number, a destination process number, a destination logical address, a transfer length, a sending source computer number, a sending source process number, and a sending source logical address, and

wherein the communication command is transmitted divisionally in a plurality of communication packets over the switched network, in order to assure reliability of communication.

Support for these features added to claim 1 may be found in Figure 10 of the drawings and on page 19, lines 5-8 of the specification. Turning now to the cited art of record, Ang describes a method and apparatus for direct conveyance of physical addresses to peripheral devices in a virtual memory system, whereby translation look-aside buffers (TLBs) are used. However, Ang does not teach or suggest a communication command having the particular features recited in presently pending independent claim 1, and Ang does not teach or suggest that a communication command is transmitted divisionally in a plurality of communication packets over a switched network in order to assure reliability of communication.

Luick describes a method and apparatus for detecting pipeline address conflicts using parallel compares of multiple real addresses, whereby translation look-aside buffers (TLBs) are used. However, Luick does not teach or suggest a communication command having the particular features recited in presently pending independent claim 1, and Ang does not teach or suggest that a communication command is transmitted divisionally in a plurality of communication packets over a switched network in order to assure reliability of communication.

Since Hayes does not rectify the above-mentioned deficiencies of Ang and Luick, presently pending independent claim 1, as well as presently pending independent claim 5 that has been amended in a similar manner, are patentable over the cited art of record.

Also, with respect to dependent claim 3, that claim now recites:

limiting the number of communication commands to be processed simultaneously to the same destination computer from the computer of the sending, in order to increase a hit ratio of the translation look aside buffer.

See the description on pages 33 and 34 of the specification, whereby such features are not taught or suggested by either Ang, Luick or Hayes, alone or in combination.

Dependent claim 11 has been amended to include a command identification number for the communication packet.

New Claims:

New claims 12 and 13 have been added to recite features described on page 20 of the specification, whereby such features are believed to provide an additional basis of patentability for those claims, beyond the reasons given above for their respective base

claims. New claim 14 has been added and recites features similar to those discussed above with respect to claim 3.

Conclusion:

Since all of the issues raised in the Office Action have been addressed in this Amendment and Reply, Applicant believes that the present application is now in condition for , and an early indication of allowance is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

Date February 12, 2008

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